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# UTAH'S GREAT COAL FIELDS AS YET BARELY SCRATCHED

Coal production in Utah during 1915 will not greatly exceed, if at all, the output of 1914, which was an off year, according to J. E. Pettit, state coal mine inspector. Actual figures are not available, as reports from the individual mining companies have not yet been received. "We shall do well if we get three million tons for the year," says Pettit. "The fact is that the coal producers have not worked half time, taking the year as a whole. During the spring months, especially, quite a number of the large industries of the state, including the Utah Copper workings, were practically at a standstill and this materially reduced the demand for coal. For quite a part of the year business in all lines was curtailed. Railroad business was slack and this especially affected coal mine activities."

Inspector Pettit says also that considerable coal has been brought into the Pacific Coast section from Australia and Japan. Since the tariff on coal was removed, Canadian producers, too, have been busy in markets of the United States, especially in the Northeast, where in many cases the haul from the Canadian mine is shorter than from the Utah or Wyoming fields. Prospects are brighter for the coming year than they were a year ago, according to Pettit. Orders already on hand indicate that there will be a good winter's run. Last year the mines began to work short time in early December. This year it seems certain that there need be no curtailment before the end of February, at least. Business as a whole is better, and it is thought that the output of coal will be more encouraging than for two or three years past.

### One New Camp In Carbon County.

One new coal camp has been established during the year—Haines, Carbon county, two miles from Stairs and just west of Standardville. This property is being operated by the Carbon Fuel company, of which L. P. Haines, after whom the camp was named, is general manager. Five hundred feet from the surface, this company recently encountered, it is reported, a twelve-foot seam, and prospects are bright for the camp. The Summit Fuel company, consisting chiefly of Wyoming people, was organized in August and took over the property of the Superior Fuel and Briquet company near Coalville. They are producing about one hundred tons daily. F. N. Steinbauer is president and Gomer Hess, general manager. The Hess company closed and abandoned its mine at Grass Creek in July, according to Inspector Pettit.

Among the recent improvements in coal mining equipment is the introduction by the Utah Fuel company at Clear Creek of a new machine known as the straightface coal cutter. The machine permits the powder blasts to be fired near the floor rather than the roof of the tunnel and is said, therefore, to be a device that will enhance safety in the mines, as blasting near the roof to bring the coal down frequently disturbs the roof and causes accidents by caving.

### But Nine Fatal Accidents During Year.

According to Pettit there were nine fatal accidents in the coal mines of Utah during the past fiscal year as against twenty last year. There were also forty-one accidents classified as serious. Efforts are being made each year to avoid accidents by the exercise of care. The fact, too, that during the black season of the past year fewer green men were taken into the mines contributed to the reduction in number of fatal accidents.

Rescue work continues to be emphasized among the miners and a good record has been made along this line during 1915, especially by the two largest companies, the Utah Fuel and the United States Fuel. After a series of tryouts teams of the Utah Fuel company held a final contest at Castle Gate, July 24th. Sunnyside Mine No. 2 team won the championship. The teams of the United States Fuel company held their final contest at Taylor Bay at Hiawatha and the Hiawatha mine team took first place. These two winning teams were sent to the exposition at San Francisco, where they competed with forty other teams from all parts of the country. The Utah teams made a very good record, the Utah Fuel team taking a trophy cup for first place in first aid and Rescuer work.

Increased attention is being given to the efficiency standards required of men who take charge of the work of mining coal. Mine foremen and fire bosses are required to pass quite a rigid examination before they can qualify for those positions. The examinations consist, in addition to general qualifications, specific branches of the industry, including ventilation of mines, gases encountered, sanitation, explosives, handling of mine cars, general knowledge of the mining laws, what to do in emergencies, first aid and rescue work.

On November 17th and 18th of this year an examination for mine foremen and fire bosses was held at Price. Twenty-two took the test and eleven foremen and five bosses were successful in passing it.

### Considerable Increase In Coke.

According to Inspector Pettit the coke production will be considerably more this year than last—perhaps from 100,000 to 150,000 tons more. The coke producers have been able to sell and ship all they have produced. Usually considerable storage is to be resorted to. The coke, which is made at Sunnyside, is used for the most part by smelters in Utah, Montana, Nevada and Idaho.

The hydrogen output of this year will approximate that of 1914, the gilsonite mines in Uintah and Duchenne counties are producing, the principal mine being at Rainbow in Uintah county.

The following tables show the coal

production in the state and value for the various years given:

	Tons Produced	Selling Price At Mines
1876	5,880	\$ 8.818
1878	22,912	51.131
1880	225,800	94.617
1885	212,120	319.680
1890	236,651	355.872
1895	472,551	651.141
1900	1,222,377	1,419.974
1910	2,528,093	4,426.652
1911	2,501,471	4,881.824
1912	3,088,356	5,219.322
1913	3,288,285	5,585.858
1914	3,149,491	5,354.732

Following is a comparative table of Utah coke production and values:

	Tons Produced	Selling Price At Ovens
1895	22,817	\$ 191.777
1898	22,736	145.958
1905	220,706	986.692
1910	1,166,084	657.288
1911	212,248	955.656
1912	247,756	1,343.102
1913	275,823	1,542.921
1914	269,245	1,689.907

Carbon and Emery Coal Fields Are Immense.

About half the counties of Utah contain coal deposits, though in some of them there has been practically no development. Within the borders of Carbon county bituminous coal is found in abundance and there are also deposits of siderite, carbonite and asphalt. The coal companies operating in the county produced in 1914 nearly three million tons of coal, which, figured at the average price of \$1.81 per ton, amounted to \$5,226,000, a decided decrease from 1912, because of the general depression in business and other causes. In 1912 Carbon county produced 268,000 tons of coke, valued at \$1,629,397. Of this amount over two-thirds was shipped out of the state, it is reported.

On the Emery county side of the Wasatch range, for a distance of approximately ten miles, are some of the greatest measures of what is regarded as the best coal in the state. It is estimated that in this field there are from six to seven billion tons of bituminous coal, the value of which, added to that of the gypsum and carnatic mines, contributes to make Emery county one of the richest sections of the state in potential wealth.

Grand county lies in the real coal belt of Utah and has stood third among the counties in output. Carbon and Emery counties lead in the order named, in 1914 Grand county produced 18,268 and in 1913 19,185 tons.

Miner Is Rescued.

ShAMOKIN, Pa., Dec. 25.—Joseph Henick, who was imprisoned four days ago for a rash of coal at the Richards colliery of the Reading company, was dug out today and will live. For ninety-six hours a hundred and twenty men in relays worked at the side of their axes to rescue Henick.

Extending into Washington county from iron is a gigantic bed of semi-anthracite coal, said to be of superior quality. Cannel coal has also been exposed along the north fork of the Virgin river. Wayne county also claims thousands of acres of undeveloped coal lands, mostly in the northeastern part of the county.

For many years Sanpete county has been a coal producer, though not on a very extensive scale. Several enterprises have led to the effort to build up this industry and in 1913 the mines of the county produced 3640 tons. This output fell off, however, to eight hundred and nineteen tons last year. Sevier county also has coal deposits, though they are practically undeveloped.

Though not widely known and practically undeveloped, the coal and iron deposits of Garfield county are said to be almost inexhaustible and settlers of that southern section declare that at some future time Garfield will come into its own as a producer of things other than live stock and agricultural products for which it is at present best known.

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### MINER IS RESCUED.

In its issue of December 19th, The Sun gives an account of the body of Fred J. Humell, a machinist, below the surface of Martin Millaych at Hiawatha. The dead man had suffered two fractures of the skull, one on the top and the other at the base of the brain. A coroner's jury returned a verdict that Humell came to his death through foul play, but could fit no responsibility. Humell was a machinist and had gone to Hiawatha from Castle Gate. He had worked about a month at Hiawatha, and previous to that at Castle Gate. Now comes W. A. Johnson, a friend of the dead man, with this communication under a Hiawatha dateline to Helper's Times of last Saturday:

The body of Fred J. Humell was laid away in its last resting place by the International Association of Machinists and friends of Helper, who performed the last sad office for the dead. Since his lifeless body was picked out of the ice and snow at Hiawatha, where he had been for ten days before he was found, many of his friends have been deeply pondering and are of the opinion that he was not murdered, but stepped off the bridge in the dark hours of the night. His path was along a roadway that crossed a bridge without any railing at all—which led across a deep wash about twenty feet from the bridge to the point at the bottom where his lifeless body was found.

The fact that he had money in his pocket when found, only goes to strengthen the belief that he was not murdered for his money. The wounds on his head could have been caused by striking first off one side of the rocky wash and then on the other, until he struck the bottom where the small stream of water trickled through the sharp rocks on which the body lay, recording the last groans that tell on the cold night air and washed his life's blood away.

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## RANCHER SHOOTS HIS RIVAL DOWN

MARVIN TURNBOW HAS REVENGE ON CLYDE BAILEY.

Saw the Man Who Had Stolen His Wife Away On Train at Green River and Follows Him Back to Thompsons, Where Killing Occurs Thursday—Surrenders to Sheriff Bliss.

### DUCHEENE AND OTHER SECTIONS ARE REVIEWED.

Residents of the new county of Duchene claim about eight feet of coal underlying at least three-quarters of the entire county, although it is conceded that not all of it is valuable inasmuch as part of it dips so deep for even modern methods of coal mining. A large part of this coal, however, lies near the surface and awaits only the coming of developments. It is said that the Duchene coal is equal in quality to the well known Castle Gate product.

Extending into Washington county from iron is a gigantic bed of semi-anthracite coal, said to be of superior quality. Cannel coal has also been exposed along the north fork of the Virgin river. Wayne county also claims thousands of acres of undeveloped coal lands, mostly in the northeastern part of the county.

Turnbow dismounted from the train, emptied the balance of the shells from his gun and announced that Bailey had stolen his wife from him. Turnbow said he had fired the shot, and that he was ready for the sheriff to come from Moab and arrest him. The body of Bailey was examined by the coroner of Grand county, who arrived later with Sheriff Bliss. Search disclosed a large caliber gun on Bailey's body. The sheriff took charge of Turnbow.

It is reported that Mrs. Turnbow left Moab three months ago and that Bailey disappeared from the region about the same time. Turnbow had often accused his wife and Bailey of being infatuated with each other and instantly declared his wife had gone with Bailey. He openly declared he would kill Bailey, and several local people state that they have heard Turnbow tell Bailey in his face he would kill him.

Turnbow, it is reported, moved from Moab to Green River recently. When Bailey left Grand Junction, Colo., Thursday night of last week on his way to Southern Utah, the train made no stop at Thompsons, so he was forced to go on to Green River, and return to Thompsons on a train that stopped there. Turnbow saw him on the train and climbed aboard to follow him. He waited for his chance, which came when Bailey stepped from the car. Bailey's back was turned when the shot rang out. The bullet struck him near the top of the head and tore a large hole in the skull.

Castlemen was born Bailey say that he returned from the East a few days ago, after an absence of some months, and was employed by W. T. Castlen, a Grand Junction, Colo., sheepman, as his camp man. He was on his way to his work when killed. Bailey was about 25 years of age and came from Auburn, N.Y., to Montello, claiming the latter place as his home. Bailey was shot five times. When his body was searched an automatic gun was found. All parties connected with the tragedy are well known to Eastern Utah sheepmen and cattlemen. Turnbow has many sympathizers.

### GIVES HER GOOD HEALTH TO CHAMBERLAIN'S TABLETS.

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